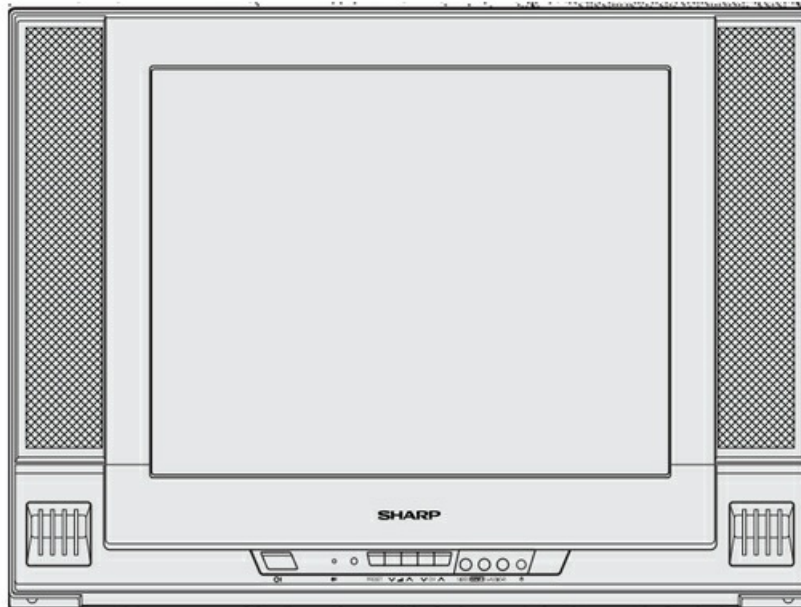


# SHARP 21B-FX1 OPERATION MANUAL



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Specifications

Other ManualsLib Projects

# SHARP®

OPERATION MANUAL  
ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ  
MODE D'EMPLOI

ENGLISH

РУССКИЙ

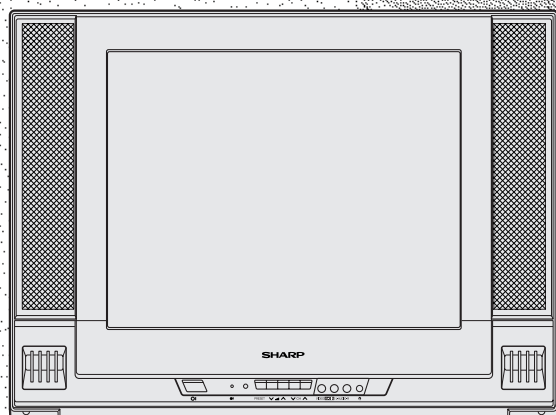
FRANÇAIS

## 21B-FX1

■ COLOUR TELEVISION ■

■ ЦВЕТНОЙ ТЕЛЕВИЗОР ■

■ TÉLÉVISEUR COULEUR ■



Please read this operation manual carefully before using the colour television.

Пожалуйста, перед началом эксплуатации цветного телевизора внимательно ознакомьтесь с настоящей инструкцией по эксплуатации.

Veuillez lire attentivement ce mode d'emploi avant d'utiliser ce téléviseur couleur.

# Contents



## Preparation

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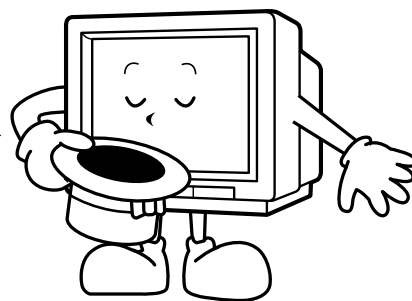


## Specifications

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## Dear SHARP Customer

Thank you for buying SHARP's Colour Television. We hope you will have many years of enjoyment from this television set. To ensure proper operation, please read this manual carefully, and keep it in a safe place for future reference.

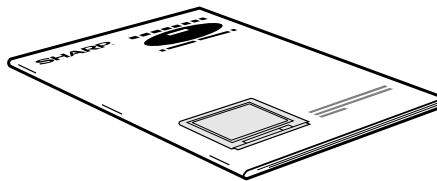


## Accessories

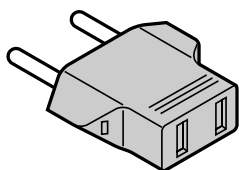
The following accessories are included with this television.



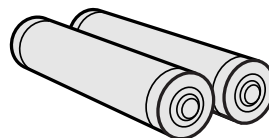
Remote control



Operation manual



AC plug adapter



Size-AA batteries

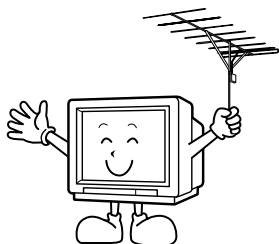


# Easy setup

To use your TV set, perform the easy setup procedure below.

The  mark indicates the page numbers with more detailed information.

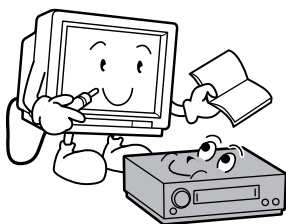
**1**



## Connect the antenna.

- See  to connect the antenna.

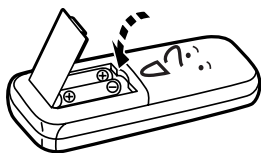
**2**



## Connect any video equipment.

- See  ,  to connect video equipment.
- See the operation manual of your video equipment when connecting to the TV set.

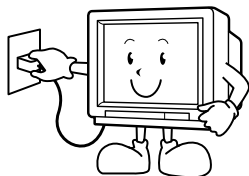
**3**



## Insert the batteries into the remote control.

- Use the two batteries included with the TV.
- See  .

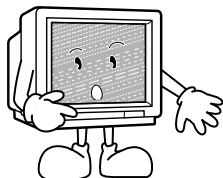
**4**



## Insert the AC plug to the power outlet.

- If you will not use the TV set for a considerable length of time, as a safety precaution, unplug the cord from the outlet.

**5**



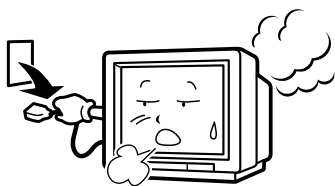
## Tune the channels.

- Use the buttons on the TV.
- See  ,  .



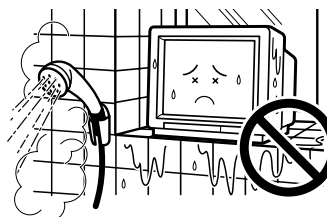
# Safety precautions

## Damage



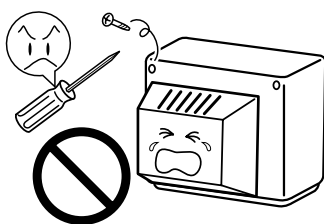
Turn off the power and unplug the power cord from the wall outlet immediately if the TV set begins to make any unusual noises or gives off smoke or an unusual smell. Then call your dealer for service.

## Water



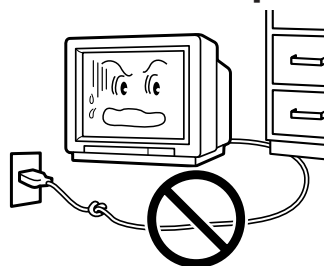
To prevent fire or electrical shock, do not place the TV set near a bath, swimming pool or other area where it may become wet.

## Servicing



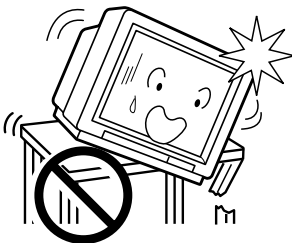
To reduce the risk of electric shock, do not remove the back of the cabinet. This TV set contains dangerous voltage.

## Power-cord protection



To prevent electrical shock, do not subject the power cord to damage by bending or twisting it, or by placing heavy items on top of it. If the power cord becomes damaged, unplug it from the wall outlet immediately and call your dealer for service.

## Unstable surface



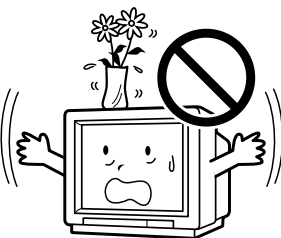
Do not place this TV set on an unstable cart, stand, shelf, or table. The TV set may fall, causing serious injury to a child or adult, and serious damage to the set.

## Moisture



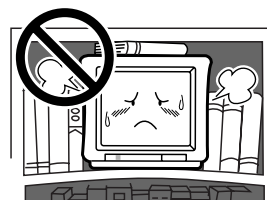
To prevent electrical shock, do not use the TV set in an excessively damp place.

## Liquid entry



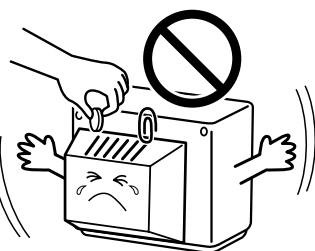
Do not place a flower vase or anything else containing liquid on the TV set, as liquid spilt on the TV set can cause electrical shock or failure.

## Ventilation



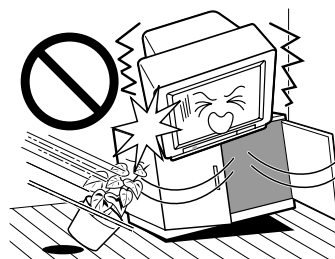
Do not place this TV set in a confined area, such as on a bookshelf or in a built-in case. Leave adequate space behind the TV for proper ventilation.

## Object entry



Never insert or drop any metallic or inflammable objects into the ventilation openings of the TV set, as this can cause fire, electrical shock, or electrical failure.

## Shocks



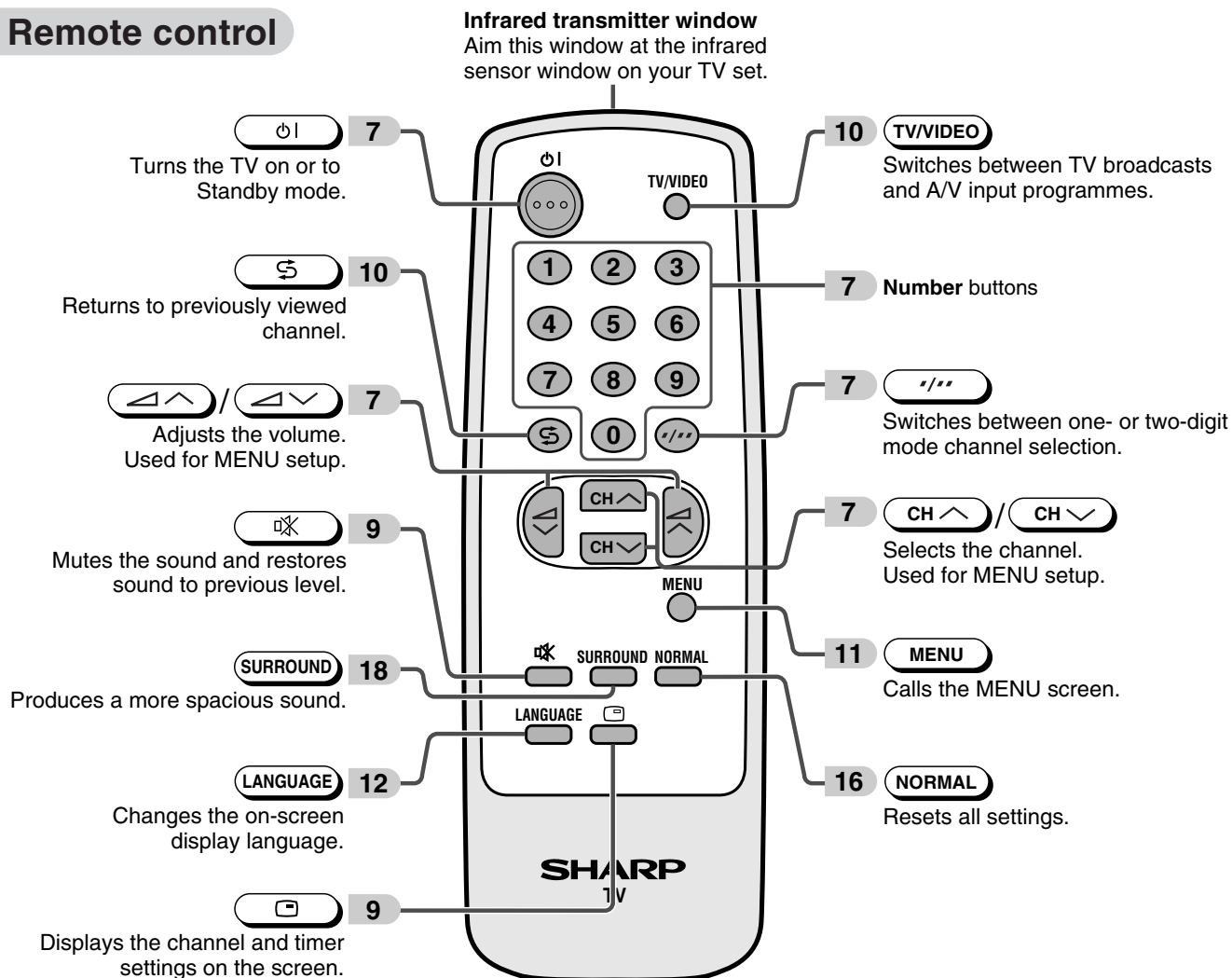
Sharp recommends securing the TV set to a stable surface or wall to prevent the set from falling due to sudden shocks or impact.



# Part names

The  mark indicates the page numbers with more detailed information.

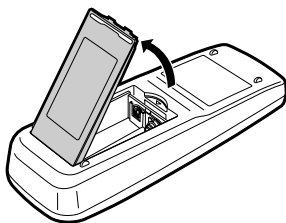
## Remote control



## Installing batteries in the remote control unit

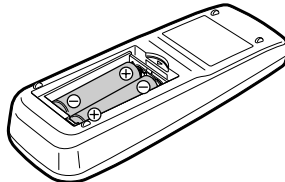
**1**

With your thumbnail, pull up at the slit to open the battery cover.



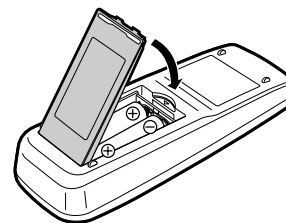
**2**

Insert two batteries (size AA).



**3**

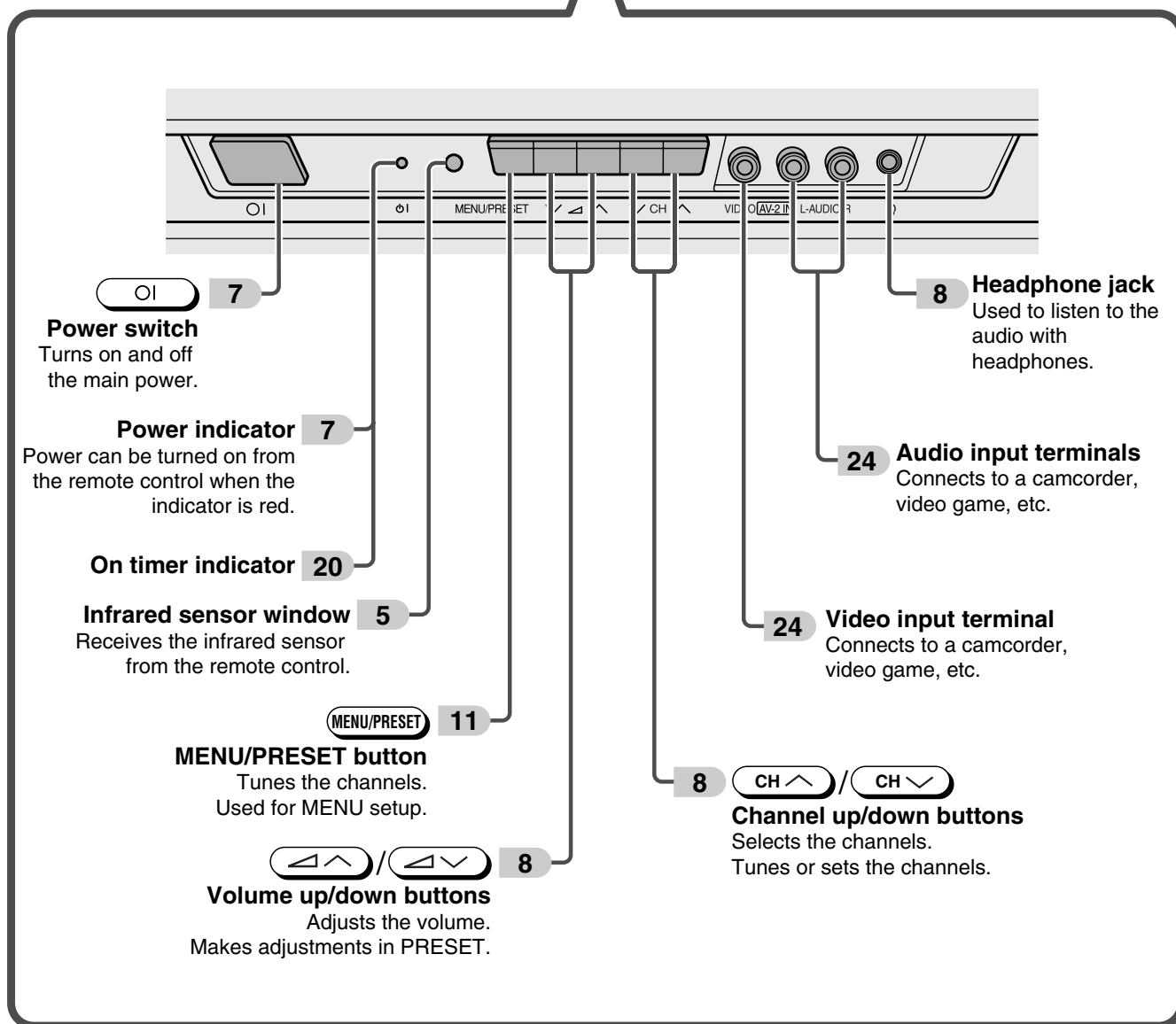
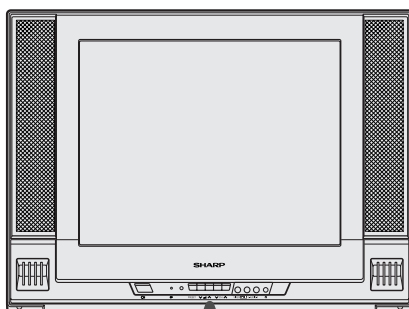
Replace the battery cover.



### NOTE

- Be sure to match the battery  $\oplus/\ominus$  terminals with the  $\oplus/\ominus$  marks inside the compartment.
- Remove the batteries if weak or if the unit is not in use for long periods.
- Do not mix old and new batteries.
- Incorrect installation of the batteries may damage the remote control.

# TV front



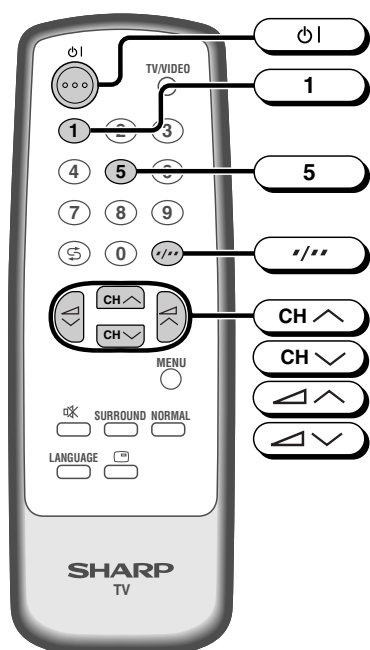
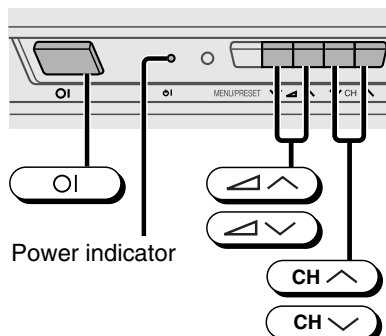
**NOTE** • When using headphones, see **8**.

# Watching TV

## Watching a TV programme

### Simple operations for watching a TV programme

#### TV Set



**1**

#### Turn on power.

- When the power indicator is off, press .
- When the power indicator is red, press on the remote control. The power indicator changes to green and a picture appears.

**2**

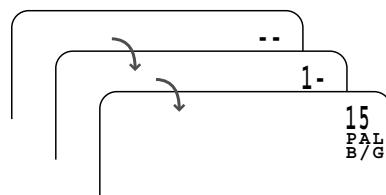
#### Select channel.

With /

- Press and channels change as shown below.  
1 → 2 → ... → 98 → 99 → AV1 → AV2 → 0 → 1 → 2 ...
- Press and channels change as shown below.  
1 → 0 → AV2 → AV1 → 99 → 98 → ... → 2 → 1 → 0 ...

#### With the number buttons (on remote control)

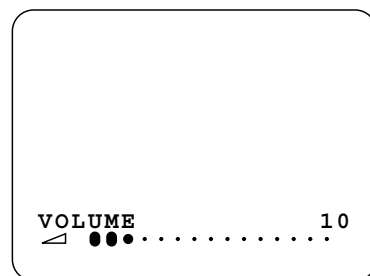
- To select a one-digit channel, such as 5, press .  
If "5-" is indicated, press to select one-digit input, and then press again.
- To select a two-digit channel, such as 15, press to select the two-digit input. Press , and then press .



**3**

#### Adjust volume using / .

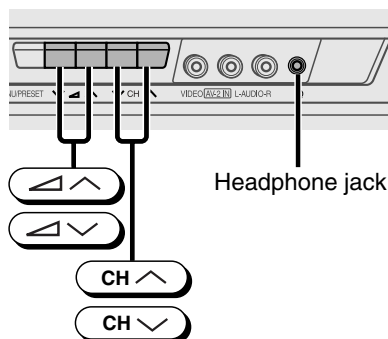
- The number of oval blocks "●" and "●" indicates the volume level. The volume bar disappears approximately three seconds after the volume has been adjusted.



#### NOTE

- When the power indicator is red, either / on the TV can be pressed to turn on the power.
- The channel number is displayed in green for channels tuned by auto tuning and displayed in yellow for channels tuned using fine tuning.
- When the power indicator is red, the TV is in Standby mode and power is still supplied to the TV. If you will not watch TV for a while, turn off the main power by pressing on the TV set. Also, if you will not be at home for a considerable length of time, unplug the cord from the outlet.
- The AV1 and AV2 input channels cannot be selected using / on the remote control. Use to select these channel.
- Channels that have been skipped cannot be selected. See **15**.
- The on-screen displays in this manual may differ from their actual appearance.

# TV Set



Headphone jack

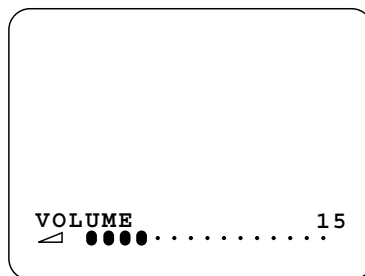
## Operating the TV buttons

### Simple operation of the TV set

Using /

Press to increase volume.

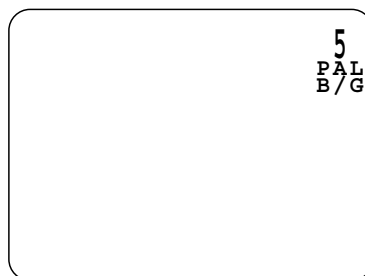
Press to decrease volume.



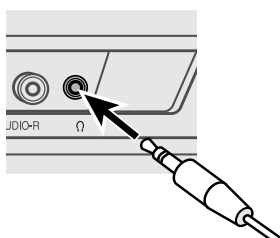
Using /

Press to increase channel number.

Press to decrease channel number.



# TV Set



## Using headphones

Insert headphone plug into headphone jack to listen to audio with headphones.

- The audio from the speakers is turned off.

### NOTE

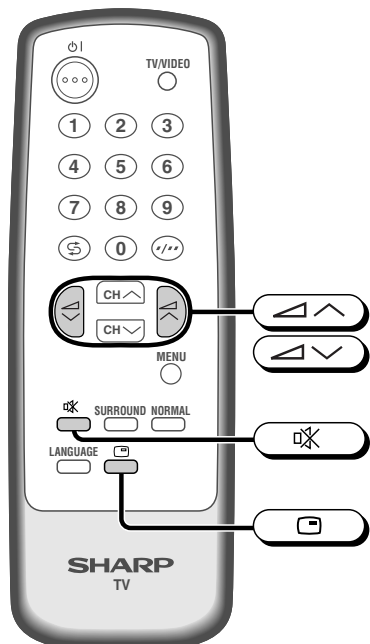
- The volume of the headphones can be adjusted from the TV or with the remote control. When the headphone jack is unplugged, the volume of the TV returns to the previous setting.
- Select an appropriate volume so as not to injure your hearing.
- To avoid injuring your hearing, do not put on the headphones before plugging them into the headphone jack and before the power is turned on.
- The proper impedance for the headphones is 32 ohms.
- Remove the headphone plug from the jack when not using the headphones.



# Useful features

## Channel/Timer display

Displays the current channel number, the timer, and other settings on the screen.



### 1 Press .

- The time remaining on the Off timer, On timer, and Reminder appears on the screen.
- When no timer is set, nothing appears on the screen.

OFF 9:15  
ON 12:03  
3:45

### 2 Press again.

- The channel number, colour system, and sound system appear on the screen.

5  
PAL  
B/G

### 3 Press once again.

- The display disappears.

## Mute

Silences the sound.

### 1 Press .

- "M" appears on the screen, and the sound is silenced.

M

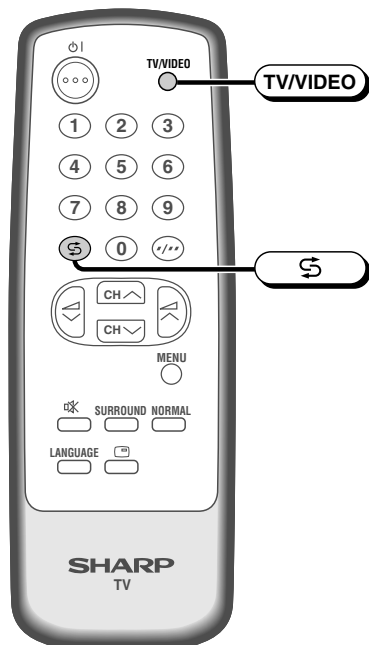


### 2 Press again or / .

- The volume returns to its previous level.

## Channel recall

Switches back to the channel you were watching just before the current channel.

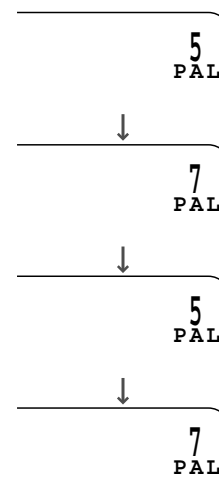


Press **\$**.

- The channel previously viewed returns to the screen.

### Example:

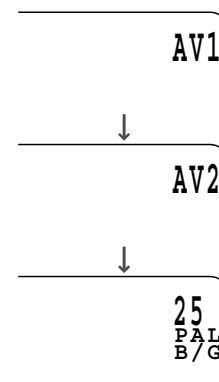
If, after switching from channel 5 to channel 7, **\$** is pressed, the channel will change to channel 5. Press **\$** again to return to channel 7.



## TV/Video selection

Switches between TV broadcasts and AV input programmes.

Each time you press **TV/VIDEO**, the input switches between AV1, AV2 and TV programme.

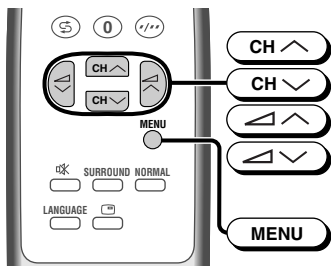




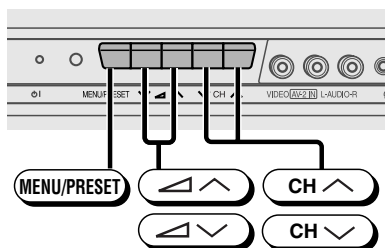
# Selecting menu items

This TV set allows you to adjust the picture and sound, and set the channels and other features using the On-screen display with the remote control or from the TV set. Select the desired menu item by following the steps below and then refer to the indicated page for details.

## Remote control



## TV Set



## Selecting a menu item

**1** Press **MENU** / **MENU/PRESET** to call MENU screen.

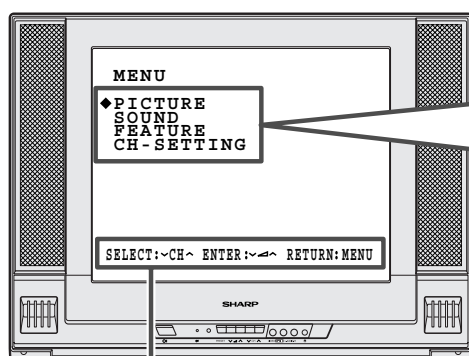
MENU  
◆ PICTURE  
SOUND  
FEATURE  
CH-SETTING

**2** Press **CH ^** / **CH v** to select desired menu item.  
• The selected item is highlighted in yellow.

MENU  
◆ PICTURE  
SOUND  
FEATURE  
CH-SETTING

**3** Press **△** / **▽** to enter.  
• The corresponding menu screen will appear.

SOUND  
◆ TREBLE  
BASS  
SURROUND  
LEVEL  
BALANCE  
SELECT: ~CH~ ADJUST: ~△~ RETURN: MENU



Operating guide

### PICTURE menu

16

PICTURE  
◆ CONTRAST  
COLOUR  
BRIGHTNESS  
TINT  
SHARPNESS  
WHITE TEMP

SELECT: ~CH~ ADJUST: ~△~ RETURN: MENU

### SOUND menu

17

SOUND  
◆ TREBLE  
BASS  
SURROUND  
LEVEL  
BALANCE

SELECT: ~CH~ ADJUST: ~△~ RETURN: MENU

### FEATURE menu

19 - 22

FEATURE  
◆ OFF  
ON  
VOLUME  
BLUE BACK

SELECT: ~CH~ ADJUST: ~△~ RETURN: MENU

### CH-SETTING menu

15

CH-SETTING  
◆ POSITION  
COLOUR-SYSTEM  
SOUND-SYSTEM  
SKIP  
FINE

SELECT: ~CH~ ADJUST: ~△~ RETURN: MENU

## NOTE

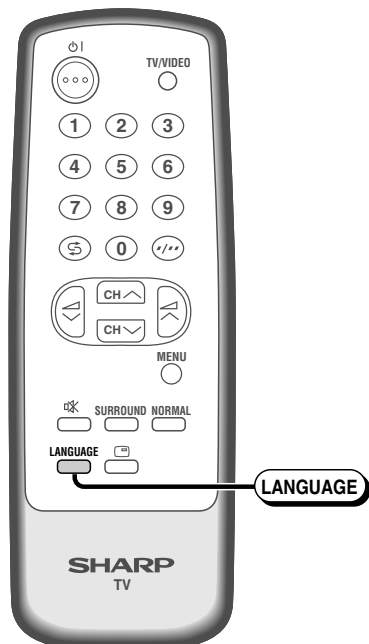
- If you press **MENU/PRESET** for more than two seconds, the AUTO mode screen will appear instead of the MENU screen. To display the MENU screen, press **MENU/PRESET** until the normal screen appears, then press the button again.
- The procedures for setting and selecting the menu items on the following pages are described using the buttons on the remote control. These procedures can also be performed using the corresponding buttons on the TV set.



# Settings and adjustments

## On-screen display language selection

The on-screen display language can be set to English, Russian, Arabic or French.



### Remote control

Press **LANGUAGE** to select desired language.

- The language menu will automatically disappear.

◆ENGLISH  
РУССКИЙ  
العربية  
FRANÇAIS

### TV set

**1** Press **MENU/PRESET** for more than two seconds.

AUTO (B/G) 1  
VHF  
48.25MHz

**2** Press **MENU/PRESET** twice to display language mode screen.

- Pressing **MENU/PRESET** changes the screen as shown below.

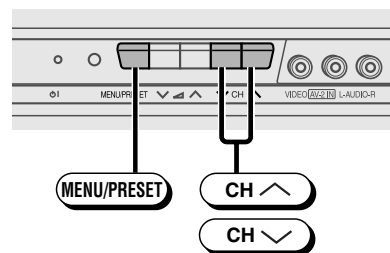
→ AUTO → MANUAL → Language  
Normal screen ←

◆ENGLISH  
РУССКИЙ  
العربية  
FRANÇAIS

SELECT:~CH~

RETURN: MENU

### TV Set

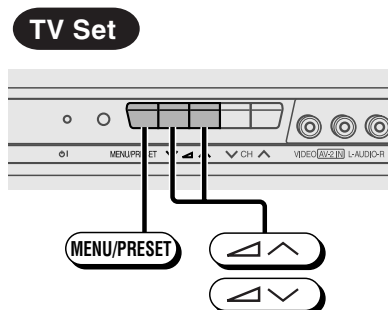


**3** Press **CH** / **CH** to select desired language.

**4** Press **MENU/PRESET** to display normal screen.

## Auto channel tuning

Automatically tunes in and presets receivable TV stations.



- 1** Press **MENU/PRESET** for more than two seconds.

AUTO (B/G)  
VHF 1  
48.25MHz

- 2** Press **▲** / **▼** on TV set.

- All the TV stations in your area that can be received by the TV set are automatically preset between channels 1 to 99.
- The screen shows whatever is on channel 1 when auto channel preset is finished.

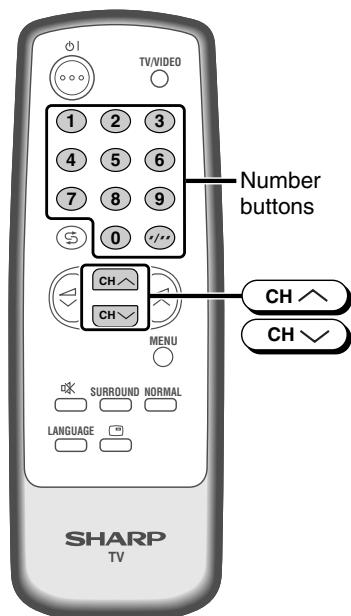
1  
PAL  
B/G

### NOTE

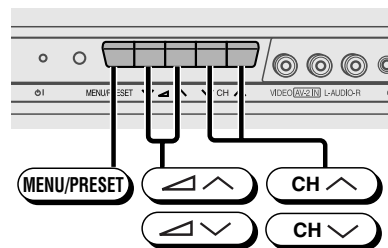
- When starting the tuning after setting the sound system using the CH-SETTING menu, the sound system for all channels are stored into memory. See **15**.
- Unused channels are automatically skipped.

# Manual channel tuning

Enables manual channel tuning to a desired TV station.



## TV Set



**1** Press **MENU/RESET** for more than two seconds.

AUTO (B/G)  
VHF 1  
48.25MHz

**2** Press **MENU/RESET** again.

- Pressing **MENU/RESET** changes the screen as shown below.

→ AUTO → MANUAL → Language  
Normal screen ←

MANUAL (B/G)  
VHF 1  
48.25MHz

**3** Press **CH ^** / **CH v** or number buttons to select channel position.

**4** Press **△ ^** / **△ v** on TV set to locate channel you wish to preset to current channel position.

- Search is initiated and when a TV signal is received during the search, the search stops.

MANUAL (B/G)  
VHF 5  
107.50MHz

Channel position

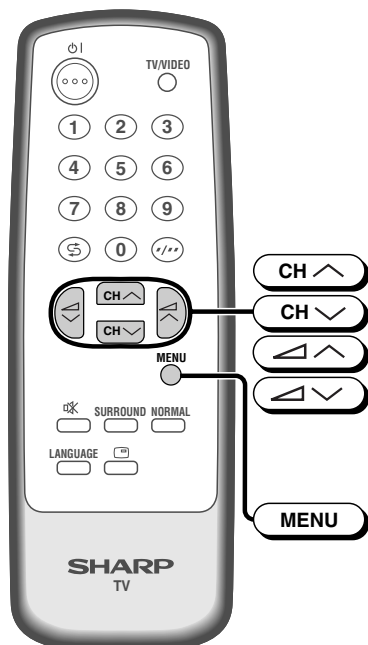
**5** Repeat steps 3 and 4 above, to preset channel positions for other broadcasts.

**6** Press **MENU/RESET** twice to display normal screen.

**NOTE** • The sound system may not have been set correctly, if noise can be heard or if there is no sound. If this occurs, change the sound system using the CH-SETTING menu. See **15**.

## Channel setting

Enables individual channel setting.



**1** Press **MENU** to call MENU screen.

**2** Press **CH ^** / **CH v** to select "CH-SETTING".

```
MENU
PICTURE
SOUND
FEATURE
◆CH-SETTING
```

**3** Press **△** / **▽** to display CH-SETTING menu.

**4** Press **CH ^** / **CH v** to select desired setting.

**5** Each time you press **△** / **▽**, setting for individual items changes as follows:

```
CH-SETTING
◆POSITION          CH12
COLOUR-SYSTEM      AUTO
SOUND-SYSTEM       B/G
SKIP               ON
FINE               210.35MHz

SELECT:~CH^ ADJUST:~△^ RETURN:MENU
```

### • POSITION

The channel position changes to the higher or lower number.

### • COLOUR-SYSTEM

→ AUTO ↔ PAL ↔ SECAM ←  
→ N358 ↔ N443 ←

### • SOUND-SYSTEM

→ B/G ↔ I ↔ D/K ↔ M ←

### • SKIP

ON ↔ OFF

Channel numbers with a "■" mark on the left are set to SKIP. To turn off SKIP, press the number buttons to select the desired channel and then set "SKIP" to "OFF".

### • FINE

The frequency changes to allow fine tuning.

**6** Press **MENU** twice to display normal screen.

- When you select AV1 or AV2 for the channel position, the CH-SETTING menu changes as shown on the right.

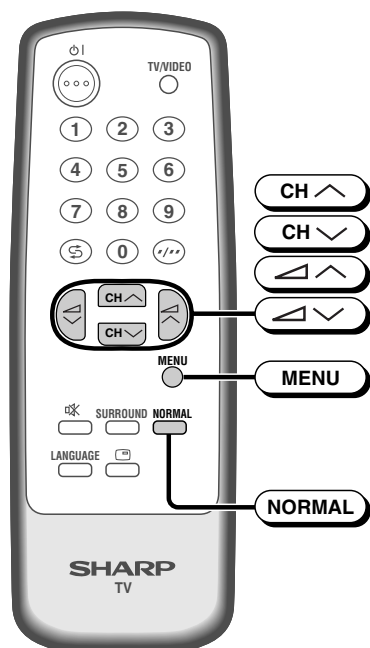
```
CH-SETTING
◆POSITION          AV1
COLOUR-SYSTEM      AUTO

SELECT:~CH^ ADJUST:~△^ RETURN:MENU
```

### NOTE

- Switching COLOUR-SYSTEM:  
Set the system to "AUTO" for normal TV reception. The AUTO mode automatically detects the receiving signal system and changes the reception system of the TV set. When the picture is not stable, switching to an appropriate system may improve the picture quality.
- In a weak reception area, or under bad reception conditions, you can change the frequency for fine tuning.
- When using FINE, the channel number changes from green to yellow.
- To return the channel to its original frequency setting, follow the manual channel tuning procedure. See

# Picture adjustment



**1** Press **MENU** to call MENU screen.

**2** Press **CH ^** / **CH v** to select "PICTURE".

**3** Press **^** / **v** to display PICTURE menu.

**4** Press **CH ^** / **CH v** to select adjustment items.

**5** Adjust using **^** / **v**.

- Wait for approximately three seconds to return to PICTURE menu.

MENU  
◆ PICTURE  
SOUND  
FEATURE  
CH-SETTING

PICTURE  
◆ CONTRAST  
COLOUR  
BRIGHTNESS  
TINT  
SHARPNESS  
WHITE TEMP

CONTRAST  
- 50 +

**6** Repeat steps 4 and 5 above to adjust other items.

**7** Press **MENU** twice to display normal screen.

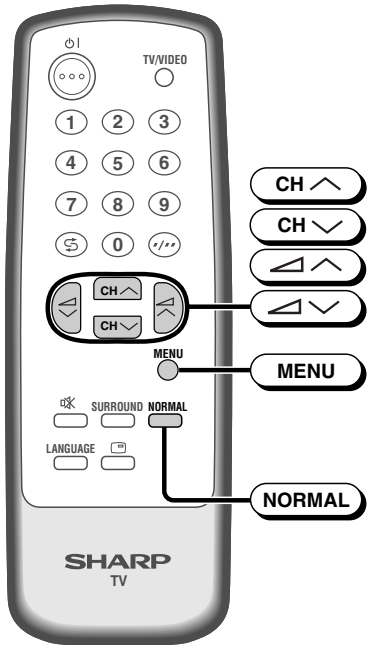
- When **NORMAL** is pressed while the PICTURE menu is displayed, the setting for the selected item is reset to the standard (factory setting) position.
- When **NORMAL** is pressed while the MENU screen is displayed and "PICTURE" is selected, all the settings for the PICTURE items are reset to the standard (factory setting) position.

The following table lists the adjustment items shown in the PICTURE menu and how they change as you press **^** / **v**.

| Selected item | Press <b>v</b>                                         | Press <b>^</b>                                        |
|---------------|--------------------------------------------------------|-------------------------------------------------------|
| CONTRAST      | To decrease contrast<br>- — — — +<br>← — — — →         | To increase contrast<br>- — — — +<br>← — — — →        |
| COLOUR        | For less colour intensity<br>- — — — +<br>← — — — →    | For more colour intensity<br>- — — — +<br>← — — — →   |
| BRIGHTNESS    | For less brightness<br>- — — — +<br>← — — — →          | For more brightness<br>- — — — +<br>← — — — →         |
| TINT *        | To move tint toward purple<br>● — — — — ●<br>← — — — → | To move tint toward green<br>● — — — — ●<br>← — — — → |
| SHARPNESS     | For less sharpness<br>- — — — +<br>← — — — →           | For more sharpness<br>- — — — +<br>← — — — →          |
| WHITE TEMP    | To more reddish background<br>● — — — — ●<br>← — — — → | To more bluish background<br>● — — — — ●<br>← — — — → |

\* TINT can only be selected and adjusted when receiving NTSC broadcasts.

Sound adjustment



**1** Press **MENU** to call MENU screen.

**2** Press **CH ^** / **CH v** to select “SOUND”.

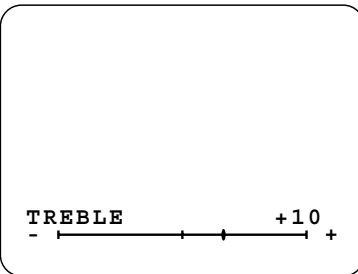
MENU  
PICTURE  
◆SOUND  
FEATURE  
CH-SETTING

**3** Press **△** / **▽** to display SOUND menu.

**4** Press **CH ^** / **CH v** to select adjustment items.

SOUND  
◆TREBLE  
BASS  
SURROUND  
LEVEL  
BALANCE

**5** Adjust using **△** / **▽**.  
• Wait for approximately three seconds to return to SOUND menu.



**6** Repeat steps 4 and 5 above to adjust other items.

**7** Press **MENU** twice to display normal screen.

- When **NORMAL** is pressed while the SOUND menu is displayed, the setting for the selected item is reset to the standard (factory setting) position.
- When **NORMAL** is pressed while the MENU screen is displayed and “SOUND” is selected, all the settings for the SOUND items are reset to the standard (factory setting) position.

The following table lists the adjustment items shown in the SOUND menu and how they change as you press **△** / **▽**.

| Selected item | Press <b>▽</b>                                                | Press <b>△</b>                                                  |
|---------------|---------------------------------------------------------------|-----------------------------------------------------------------|
| TREBLE        | To decrease treble<br>- — — — — +<br>← — — — — →              | To increase treble<br>- — — — — +<br>← — — — — →                |
| BASS          | To decrease bass<br>- — — — — +<br>← — — — — →                | To increase bass<br>- — — — — +<br>← — — — — →                  |
| SURROUND *    | The surround effect is weakened<br>- — — — — +<br>← — — — — → | The surround effect is emphasized<br>- — — — — +<br>← — — — — → |
| BALANCE       | To shift balance toward left<br>◁ — — — — — ▷<br>← — — — — →  | To shift balance toward right<br>◁ — — — — — ▷<br>← — — — — →   |

\* SURROUND LEVEL can be set to “ON<sup>1</sup>”, “ON<sup>2</sup>”, or “OFF”. See **18**.  
SURROUND LEVEL can only be selected and adjusted when set to “ON<sup>1</sup>”.  
SURROUND LEVEL can only be adjusted when displayed in green. When displayed in purple, it cannot be adjusted.

## Surround sound

Produces a virtual surround sound from the TV's speakers.

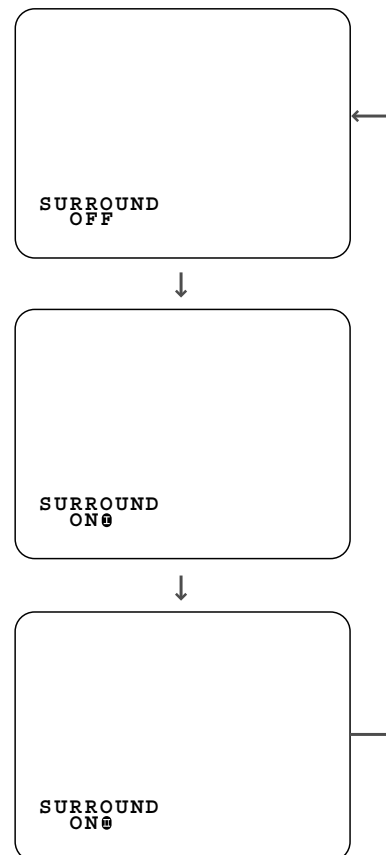


Each time you press **SURROUND**, the mode changes between **ON<sub>0</sub>**, **ON<sub>II</sub>** and **OFF**.

**OFF**: Produces normal sound.

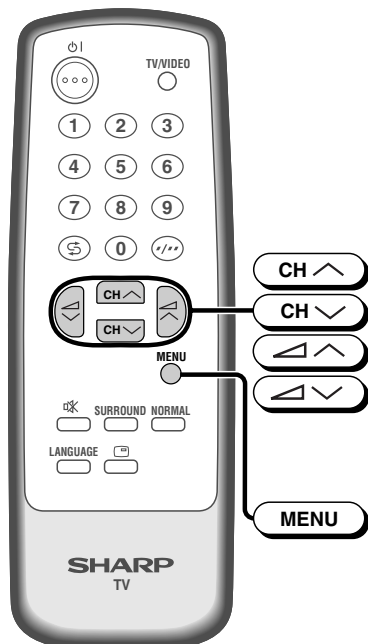
**ON<sub>0</sub>**: Setting to this mode during stereo signal reception produces a spacious sound, making the most of the speakers' performance.

**ON<sub>II</sub>**: Setting to this mode during monaural signal reception creates monaural sound that is similar to stereophonic sound.



## Off timer

Automatically turns power off after a set length of time has passed.



**1** Press **MENU** to call MENU screen.

```
MENU
PICTURE
SOUND
◆FEATURE
CH-SETTING
```

**2** Press **CH+** / **CH-** to select "FEATURE".

**3** Press **▲** / **▼** to display FEATURE menu.

```
FEATURE
◆OFF [ ]  --:--
ON [ ]  --:--
VOLUME  --:--
BLUE BACK  ON
SELECT:~CH~ ADJUST:~▲~ RETURN:MENU
```

**4** Press **CH+** / **CH-** to select "OFF [ ]".

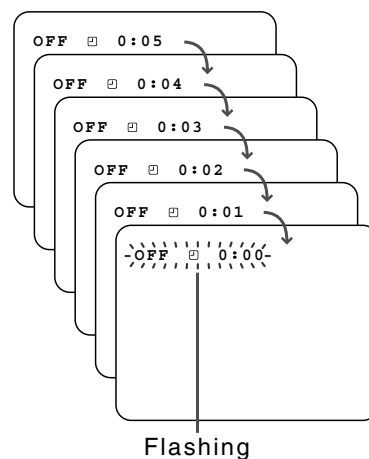
**5** Press **▲** / **▼** to set time for TV to turn off.

- Maximum time that can be preset is 12 hours and 50 minutes.
- As soon as the time is entered, the timer starts to count down.

```
FEATURE
◆OFF [ ]  2:30
ON [ ]  --:--
VOLUME  --:--
BLUE BACK  ON
SELECT:~CH~ ADJUST:~▲~ RETURN:MENU
```

**6** Press **MENU** twice to display normal screen.

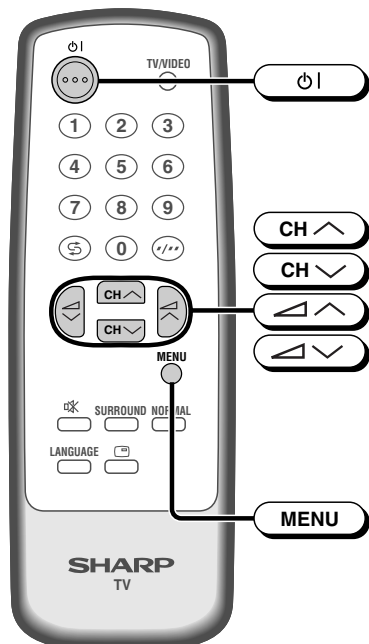
- Five minutes before the preset length of time expires (in the example, after two hours and 25 minutes), the remaining time appears on the screen.
- A flashing display of the remaining time appears during the last few seconds.
- When the preset length of time has passed, the TV set enters the Standby mode.



- NOTE**
- To cancel the timer setting, press **NORMAL** when "◆" is displayed on the left of "OFF [ ]" so as to set the timer to 0 hours and 0 minutes "--:--".
  - The timer can be set in ten-minute intervals.
  - The Off timer is cancelled if the power is turned off or set to the Standby mode using **⏻** or **⏻** on the TV set, or if the power is otherwise interrupted.

# On timer

Automatically turns power on after a set length of time has passed.



**1** Press **MENU** to call MENU screen.

**2** Press **CH ^** / **CH v** to select "FEATURE".

**3** Press **△ ^** / **△ v** to display FEATURE menu.

**4** Press **CH ^** / **CH v** to select "ON".

```
MENU
PICTURE
SOUND
◆FEATURE
CH-SETTING
```

```
FEATURE
OFF [ ]
◆ON [ ]
VOLUME
BLUE BACK ON

SELECT:~CH^ ADJUST:~△^ RETURN:MENU
```

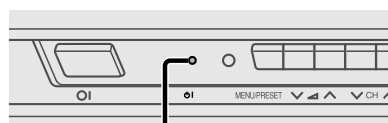
**5** Press **△ ^** / **△ v** to set time for TV to turn on.

- Maximum time that can be preset is 12 hours and 50 minutes.
- As soon as the time is entered, the timer starts to count down.

```
FEATURE
OFF [ ]
◆ON [ ] 8:00
VOLUME
BLUE BACK ON

SELECT:~CH^ ADJUST:~△^ RETURN:MENU
```

## TV Set



On timer indicator  
(Orange)

**6** Press **CH ^** / **CH v** to select "VOLUME".

**7** Press **△ ^** / **△ v** to set volume.

**8** Press **power** to put TV set into Standby mode.

```
FEATURE
OFF [ ]
ON [ ] 8:00
◆VOLUME 20
BLUE BACK ON

SELECT:~CH^ ADJUST:~△^ RETURN:MENU
```

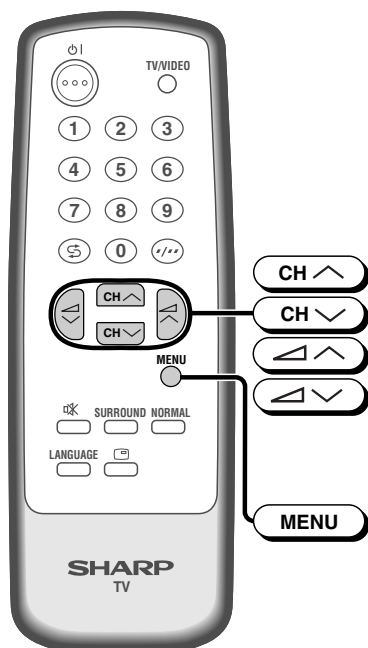
- The On timer indicator lights up orange.
- When the preset length of time (in the above example, eight hours) has passed, the power turns on and a picture appears on the screen.
- The On timer speaker volume gradually increases from zero to the preset volume.

## NOTE

- To cancel the timer setting, press **NORMAL** when "◆" is displayed on the left of "ON [ ]" so as to set the timer to 0 hours and 0 minutes "- : -".
- The timer can be set in ten-minute intervals.
- The On timer is cancelled if the power is turned off using **OI**.
- If the TV set is turned on by the On timer, then the TV set will be automatically turned off in two hours if no buttons are pressed on the TV set or remote control.

## Reminder on-screen timer

Lets you know when a preset length of time has passed by displaying a countdown timer on the screen. This is useful for timer cooking while you watch TV.



**1** Press **MENU** to call MENU screen.

**2** Press **CH ^** / **CH v** to select "FEATURE".

**3** Press **△** / **▽** to display FEATURE menu.

**4** Press **CH ^** / **CH v** to select "⌚".

```
MENU
PICTURE
SOUND
◆FEATURE
CH-SETTING
```

```
FEATURE
OFF  [ ]  ---:--
ON   [ ]  ---:--
VOLUME  [ ]  ---:--
◆ ⌚  BLUE BACK  ON
```

SELECT:~CH^ ADJUST:~△^ RETURN:MENU

**5** Press **△** / **▽** to set time.

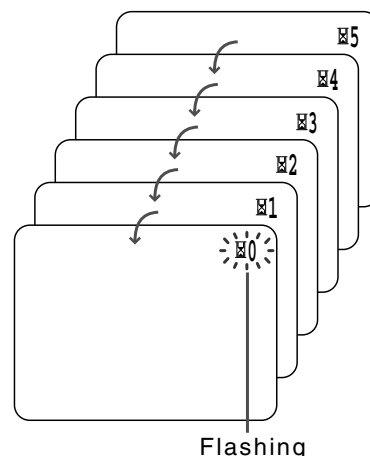
- Maximum time that can be preset is 12 hours and 50 minutes.
- The right example shows that the Reminder will be activated after one hour 50 minutes.

```
FEATURE
OFF  [ ]  ---:--
ON   [ ]  ---:--
VOLUME  [ ]  ---:--
◆ ⌚  BLUE BACK  1:50
ON
```

SELECT:~CH^ ADJUST:~△^ RETURN:MENU

**6** Press **MENU** twice to display normal screen.

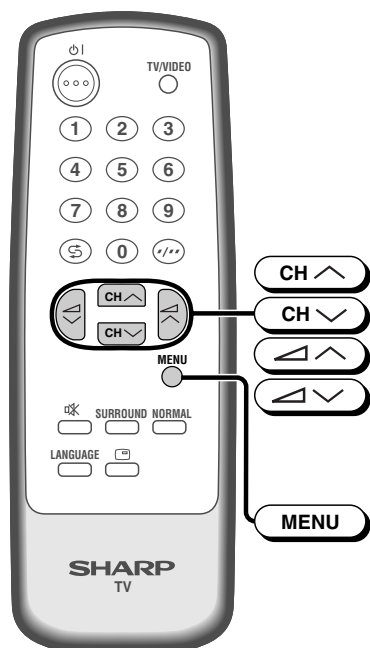
- Five minutes before the preset length of time expires (in the example, after one hour and 45 minutes) and each minute thereafter, the remaining time appears on the screen for several seconds.
- When the preset length of time has passed, "⌚0" flashes in red.



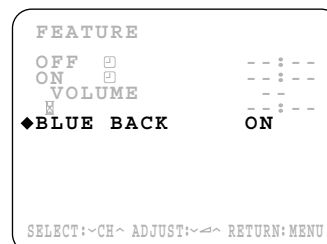
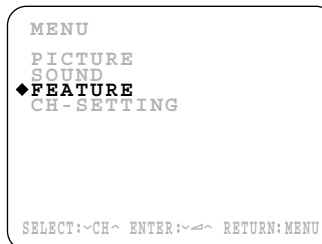
- NOTE**
- This function also works in the Standby mode. Power is automatically turned on five minutes before the preset length of time expires. The TV set automatically returns to the Standby mode approximately 30 seconds after the preset time.
  - The Reminder is cancelled if **⏻** on the TV set is pressed or if the power is otherwise interrupted.
  - The time can be set in ten-minute intervals. Pressing **NORMAL** resets the set time.

## Blue screen

Automatically turns the screen blue if a broadcast signal is not received.



- 1** Press **MENU** to call MENU screen.
- 2** Press **CH  $\wedge$**  / **CH  $\vee$**  to select "FEATURE".
- 3** Press  **$\blacktriangleleft$   $\wedge$**  /  **$\blacktriangleleft$   $\vee$**  to display FEATURE menu.
- 4** Press **CH  $\wedge$**  / **CH  $\vee$**  to select "BLUE BACK".
- 5** Press  **$\blacktriangleleft$   $\wedge$**  /  **$\blacktriangleleft$   $\vee$**  to select "ON" or "OFF".



- 6** Press **MENU** twice to display normal screen.

When Blue back is set to "ON"

No signal



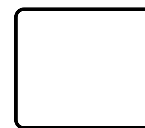
after five seconds

Blue screen



after 15 minutes

TV off



Standby mode

### NOTE

- Poor reception due to weak signals and too much noise may activate Blue back, despite the presence of a broadcast signal. To continue watching TV under these conditions, switch "BLUE BACK" to "OFF".
- When Off timer is set, the setting has priority over Blue back.



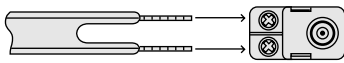
# Connections

## Connecting to an antenna

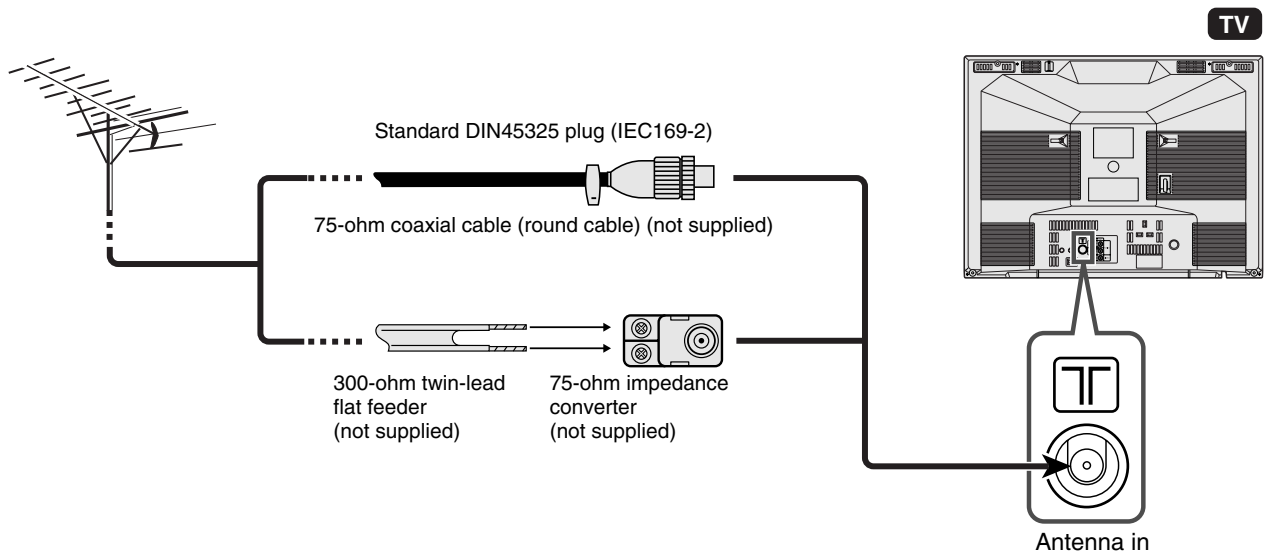
To enjoy a clearer picture, use an outdoor antenna. The following is a brief explanation of the types of connections that are used for coaxial and feeder cables.



If your outdoor antenna uses a 75-ohm coaxial cable with a standard DIN45325 plug (IEC 169-2), plug it into the antenna jack at the rear of the set.

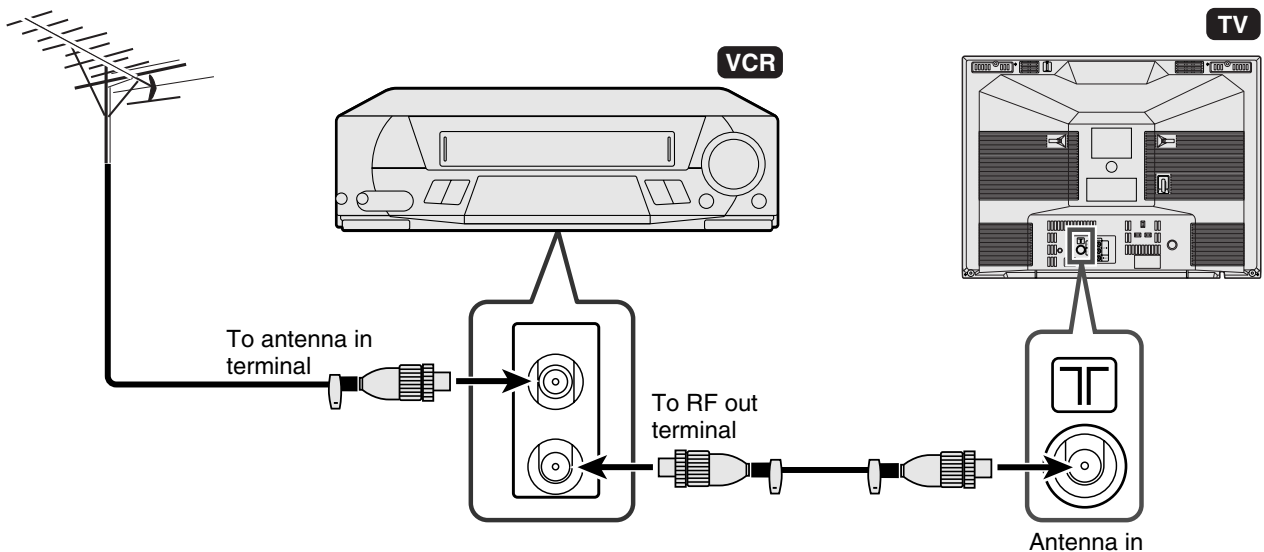


If your outdoor antenna uses a 300-ohm twin-lead flat feeder, connect a 300-ohm to 75-ohm impedance converter and plug it into the antenna jack at the rear of the set.



## Connecting to an antenna via a VCR

You can also connect the TV set to the tuner on a VCR using the connection shown below.



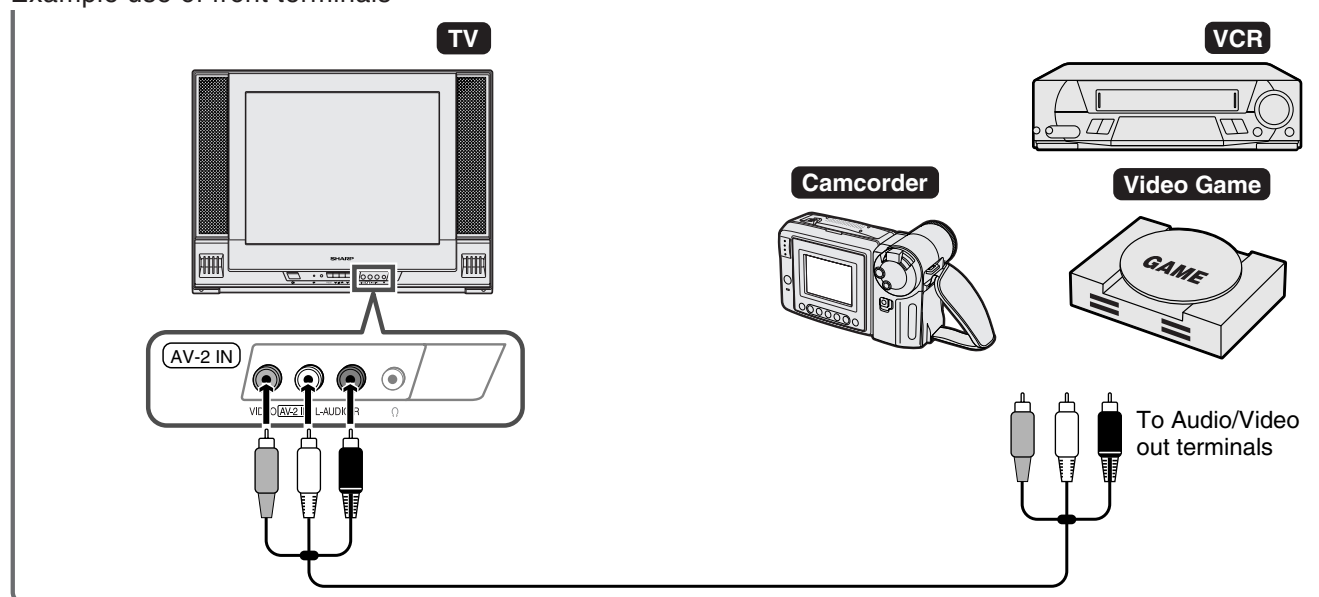
### NOTE

- When using the RF terminal connection, set the TV to channel zero to make initial adjustments for the VCR.
- Turn off the power on the TV set and the VCR being connected before making the above connections. Be sure the cord plugs are fully inserted in the connection terminals.
- See the operation manual of your VCR for connection details.

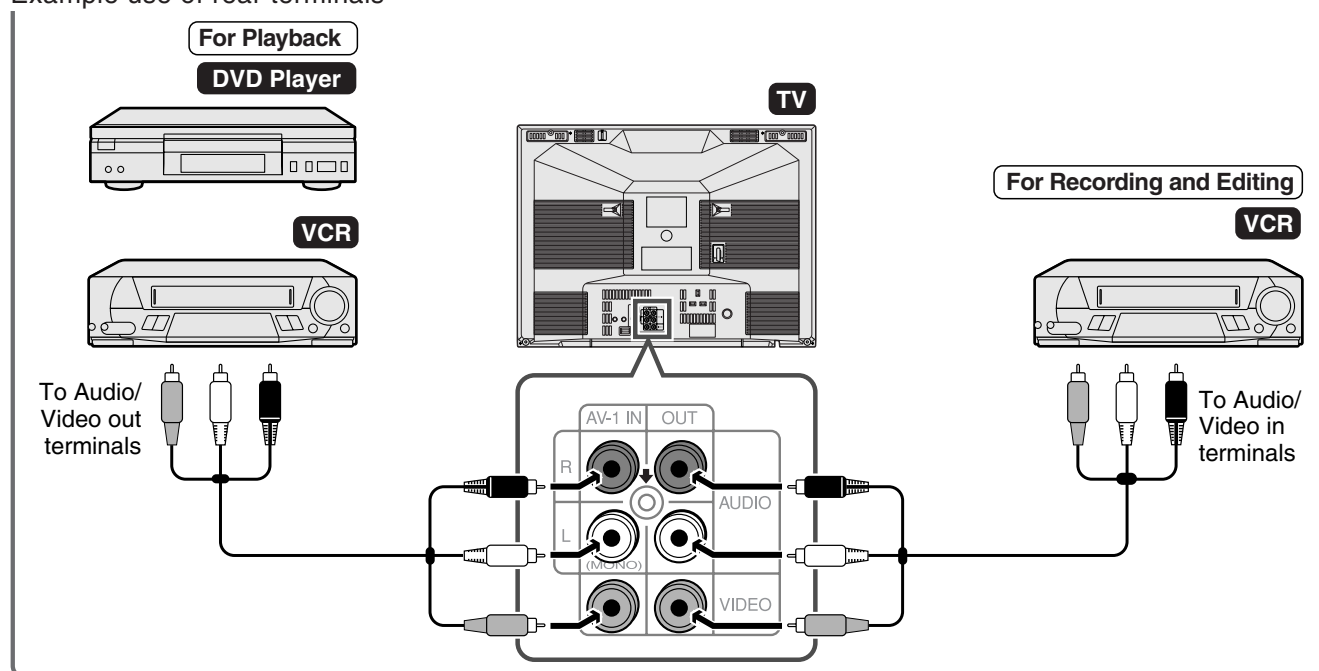
## Connecting to video equipment

Enjoy playback from a video disc player, VCR or other video equipment by connecting them to this TV set using the Audio/Video in terminals.

Example use of front terminals



Example use of rear terminals



### NOTE

- Turn off the power on the TV set and the VCR being connected before making the above connections. Be sure the cord plugs are fully inserted in the connection terminals.
- For playback of monaural audio, connect the external source to the audio input left terminal on the front or rear of the TV set (MONO) to hear the same sound from both speakers.
- The audiovisual cords required to connect the TV set with video equipment may differ from those shown in the above diagram. See the operation manual of your video equipment for connection details.
- The above recording and editing connections are for intended solely for personal use and not for the illegal copying of audiovisual material protected by copyright laws.

# Troubleshooting

The following problems do not always indicate a hardware failure. Therefore, please use the troubleshooting guide below before calling for repair service.  
If, after following the guide none of the remedies work, unplug the TV set and call for service.

| Quick Service Check List                                                                                                           | Problems                      |                |                    |                           |           |                                 |               |                          |                  |                  |                         |                         |                     |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------|--------------------|---------------------------|-----------|---------------------------------|---------------|--------------------------|------------------|------------------|-------------------------|-------------------------|---------------------|
|                                                                                                                                    | Remote control does not work. | Bars on screen | Picture distorted. | Picture rolls vertically. | No colour | Poor reception on some channels | Picture weak. | Picture lines or streaks | Picture ghosting | Picture blurred. | Sound OK, picture poor. | Picture OK, sound poor. | No picture or sound |
| Possible Causes/Remedies                                                                                                           |                               |                |                    |                           |           |                                 |               |                          |                  |                  |                         |                         |                     |
| Try a new channel to check for possible station trouble.                                                                           |                               |                | ●                  | ●                         | ●         | ●                               | ●             | ●                        | ●                | ●                | ●                       | ●                       | ●                   |
| TV not plugged in.<br>Outlet power OFF.                                                                                            | ●                             |                |                    |                           |           |                                 |               |                          |                  |                  |                         |                         | ●                   |
| POWER switch of TV not ON.                                                                                                         | ●                             |                |                    |                           |           |                                 |               |                          |                  |                  |                         |                         | ●                   |
| Antenna not connected to terminal at the back of the TV set.                                                                       |                               |                |                    |                           | ●         | ●                               | ●             |                          | ●                |                  | ●                       |                         | ●                   |
| If outside antenna is used, check for broken wires.                                                                                |                               | ●              | ●                  | ●                         | ●         | ●                               | ●             | ●                        | ●                | ●                | ●                       |                         | ●                   |
| Check for local interference.                                                                                                      |                               | ●              |                    | ●                         |           | ●                               |               | ●                        | ●                |                  | ●                       | ●                       |                     |
| Turn OFF using the POWER switch, then turn ON again after a minute.                                                                | ●                             |                |                    |                           |           |                                 |               |                          |                  |                  |                         |                         | ●                   |
| Adjust COLOUR control.                                                                                                             |                               |                |                    |                           | ●         |                                 | ●             |                          |                  |                  | ●                       |                         |                     |
| Check batteries in the remote control.                                                                                             | ●                             |                |                    |                           |           |                                 |               |                          |                  |                  |                         |                         |                     |
| Try fine tuning to correct.                                                                                                        |                               |                | ●                  |                           | ●         |                                 | ●             |                          |                  | ●                | ●                       |                         |                     |
| Contrast setting in picture mode might be all the way to the minus side. Press the NORMAL button on the remote control to correct. |                               |                |                    |                           |           |                                 |               |                          |                  |                  | ●                       |                         | ●                   |
| Increase the volume.                                                                                                               |                               |                |                    |                           |           |                                 |               |                          |                  |                  |                         | ●                       | ●                   |

## NOTE

- This unit is equipped with a microprocessor. Its performance could be adversely affected by external electrical noise or interference. If this should happen, unplug the unit and plug it in again after a few minutes.



# Specifications

| MODEL                                                |     | 21B-FX1                                                                                                                                                        |                                                                                  |
|------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Receiving System                                     |     | World multi 21-system                                                                                                                                          |                                                                                  |
| TV Broadcasts/<br>VCR Playback                       |     | PAL-I<br>PAL-B/G<br>PAL-D/K<br>SECAM-B/G<br>SECAM-D/K, -K1<br>NTSC-M (NTSC standard)                                                                           |                                                                                  |
| VCR Playback                                         |     | NTSC 4.43/5.5 MHz 60 Hz<br>NTSC 4.43/6.0 MHz 60 Hz<br>NTSC 4.43/6.5 MHz 60 Hz<br>NTSC 4.43/5.5 MHz 50 Hz<br>NTSC 4.43/6.0 MHz 50 Hz<br>NTSC 4.43/6.5 MHz 50 Hz | NTSC 3.58/5.5 MHz<br>NTSC 3.58/6.0 MHz<br>NTSC 3.58/6.5 MHz<br>SECAM-I (6.0 MHz) |
| VCR Playback<br>(Using Video-in terminals)           |     | SECAM-L (French SECAM)                                                                                                                                         |                                                                                  |
| Laserdisc Player Playback<br>(Using RF-in terminals) |     | PAL 5.5 MHz/60 Hz<br>PAL 6.0 MHz/60 Hz<br>PAL 6.5 MHz/60 Hz<br>NTSC 3.58/4.5 MHz/50 Hz                                                                         |                                                                                  |
| Reception Channels                                   |     |                                                                                                                                                                |                                                                                  |
| PAL-B/G<br>SECAM-B/G                                 | VHF | E2–E12 ch                                                                                                                                                      |                                                                                  |
|                                                      | UHF | E21–E69 ch                                                                                                                                                     |                                                                                  |
| PAL-D/K<br>SECAM-D/K, -K1                            | VHF | C1–C12 ch, R1–R12 ch                                                                                                                                           |                                                                                  |
|                                                      | UHF | C13–C57 ch, R21–R69 ch                                                                                                                                         |                                                                                  |
| PAL-I                                                | VHF | B–J ch                                                                                                                                                         |                                                                                  |
|                                                      | UHF | 21–69 ch (Hong Kong)                                                                                                                                           |                                                                                  |
| NTSC                                                 | VHF | 2–13 ch (U.S.), 1–12 ch (Japan)                                                                                                                                |                                                                                  |
|                                                      | UHF | 14–69 ch (U.S.), 13–62 ch (Japan)                                                                                                                              |                                                                                  |
| CATV                                                 |     | S1–S20 ch, S21–S41 ch (Hyper)                                                                                                                                  |                                                                                  |
| Receiving Frequency                                  |     | 48. <sup>25</sup> MHz–463. <sup>25</sup> MHz, 471. <sup>25</sup> MHz–863. <sup>25</sup> MHz                                                                    |                                                                                  |
| Channel Tuning                                       |     | 100-channel electronic tuner with full auto tuning system                                                                                                      |                                                                                  |
| Picture Tube                                         |     | 21-inch, flat square tinted                                                                                                                                    |                                                                                  |
| Terminals                                            |     | Audio/video input × 2 (front × 1, rear × 1), audio/video output × 1 (rear), headphone jack × 1 (front)                                                         |                                                                                  |
| Sound Output                                         |     | 7.5 W (RMS) × 2, total 15.0 W (RMS)                                                                                                                            |                                                                                  |
| Power Source                                         |     | AC 110–240 V, 50/60 Hz                                                                                                                                         |                                                                                  |
| Power Consumption                                    |     | 111 W                                                                                                                                                          |                                                                                  |
| Dimensions                                           |     | 637.0 (W) × 467.5 (H) × 485.5 (D) mm                                                                                                                           |                                                                                  |
| Weight                                               |     | 24.0 kg (approx.)                                                                                                                                              |                                                                                  |

## NOTE

- Design and specifications are subject to change without notice.
- Receiving system: These receiving systems, encompassing all currently available technology, include those with planned broadcast, videotape and laserdisc hardware and software.
- Reception channels: Some examples of the main receivable channels are shown above.

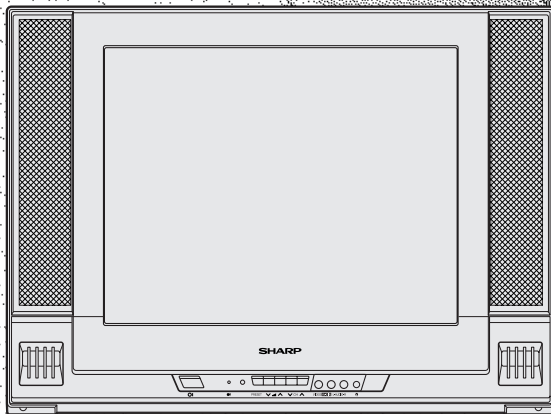
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SHARP CORPORATION  
OSAKA, JAPAN

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## دليل التشغيل

### 21B-FX1

■ تلفزيون ملون ■



يرجى قراءة دليل التشغيل هذا بعناية قبل استعمال التلفزيون الملون.

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